ECAT Physics Chapter 1 Measurements

Sr	Questions	Answers Choice
1	The quantity having dimension of ML^2T^{02} will earth is:	A. 80 sec B. 500 sec C. 1.802×10^4 sec D. Aerophysics
2	From sand, we get a material used for construction of computer chips. That material is called:	A. Copper B. Lead C. Silicon D. Germanium
3	Which quantity has different dimensions:	A. Work B. Pressure C. Energy D. Torque
4	The branch of physics which deals with the properties of fundamental particles is called:	A. High energy physics B. Molecular physics C. Astrophysics D. Space physics
5	The mechanics, which deals with the objects moving with velocities approaching that of light is called	A. Relativistic mechanics B. Wave mechanics C. Quantum mechanics D. Statics
6	The branch of physics which concerned with the ultimate particles of which the universe is composed is known as	A. SolidState physics B. Particle Physics C. Nuclear Physics D. Atomic Physics
7	1 gm-cm^{-3} is equal to:	A. 10^3 kg-m^{-3} B. 10^{-3} kg-m^{-3} C. 1 kg-m^{-3} D. 10^6 kg-m^{-1}
8	Distance to nearest galaxy from earth is	A. 10^{10} m B. 10^{15} m C. 10^{40} m D. 10^{30} m
9	Density is defined as:	A. Mass per volume B. Volume per mass C. Mass X volume D. Mass per length
10	1 gm-cm^{-3} is equal to:	A. 10^3 kg-m^{-3} B. 10^{-3} kg-m^{-3} C. 1 kg-m^{-3} D. 10^6 kg-m^{-1}
11	Computer chips are made from	A. Conductors B. Semiconductors C. Insulators D. Both A and B
12	0.0001210 has _____ significant figures.	A. Four B. Three C. Seven D. Eight
13	Electron is a particle whose mass is:	A. Greater than that of a proton B. Smaller than that of a proton C. Smaller than that of a proton or a neutron D. Greater than that of an atom
14	dimensions are the same for:	A. Work and energy B. Force and weight

		C. None of these
		D. Both a and b

15	Aerodynamics is a branch of	A. Hydrodynamics B. Thermodynamics C. Both of them D. Statics
16	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light
17	From sand, we get a material used for construction with the motion of bodies under the action of forces is called:	A. Optics B. Mechanics C. Thermodynamics D. Astrophysics
18	Relativistic mechanics is a branch of physics, which deal with the bodies moving with velocities:	A. More then c B. Approaching c C. Equal to c D. Much less than x
19	Light year is a unit of:	A. Time B. Distance C. Velocity D. Intensity of light
20	The maximum possible error in the reading of an instrument is _____ its least count.	A. Half of B. Quarter of C. Equal to D. Double than